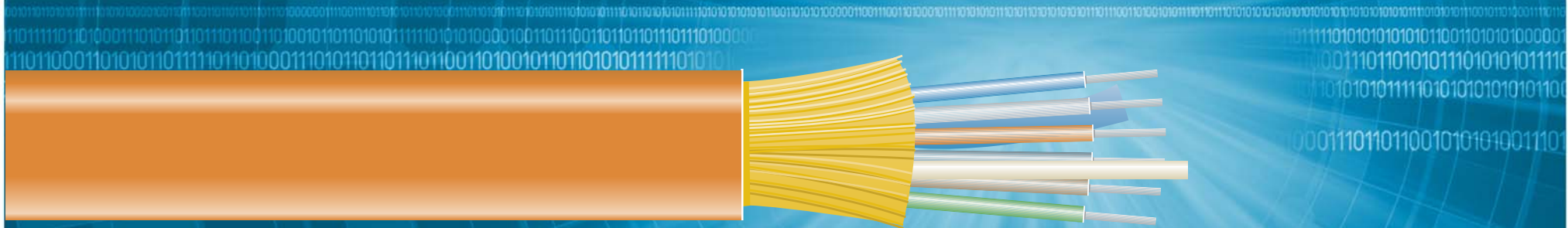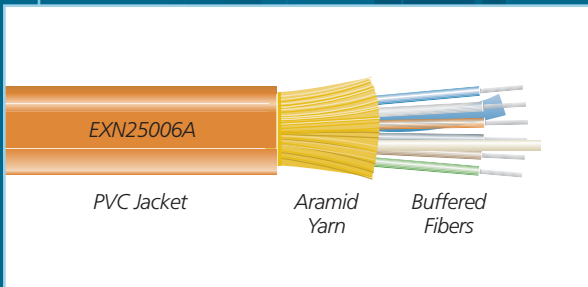## Multimode, 50-Micron, Distribution-Style Bulk Fiber Optic Cable

Here's the tight-buffered, distribution-style 50-micron cable you want with high fiber counts.

FEATURES

- **Designed for backbone, horizontal, and interbuilding installations.**
- **High-performance, tight-buffer coating on each fiber provides environmental and mechanical protection.**
- **Suitable for indoor use. It's flame-retardant, and fungus-, water-, and UV-resistant.**
- **Economical for long-distance runs.**
- **Features an easily strippable 900-µm coating for convenient handling.**
- **Flexible subunit design enables easy routing of group fibers. Includes tight-buffered, single-jacket construction with subunits holding up to 12 fibers each.**
- **Construction consists of: outer jacket, binder, subunit jacket, subunit aramid yarn, strength member, tight-buffered fibers, and a ripcord.**
- **Both PVC and plenum cable are rated for fire safety.**

EXN25006A

PVC Jacket   Aramid Yarn   Buffered Fibers

TECH SPECS

Attenuation (Maximum) — 3.5/1.0 dB/km @ 850/1300 nm
Bandwidth (Minimum) — 500/500 MHz-km @ 850/1300 nm
Bend Radius — PVC: 2-Fiber: 3.7" (9.4 cm) installation, 2.8" (7.1 cm) operating;
    4-Fiber: 4.4" (11.2 cm) installation, 3.3" (8.4 cm) operating;
    6-Fiber: 4.7" (11.9 cm) installation, 3.5" (8.9 cm) operating;
    8-Fiber: 4.9" (12.4 cm) installation, 3.7" (9.4 cm) operating;
    12-Fiber: 5.5" (14 cm) installation, 4.1" (10.4 cm) operating;
    24-Fiber: 10.3" (26.2 cm) installation, 7.7" (19.6 cm) operating;
    36-Fiber: 12.5" (31.8 cm) installation, 9.3" (23.6 cm) operating;
    Plenum: 4-Fiber: 3.4" (8.6 cm) installation, 2.6" (6.6 cm) operating;
    6-Fiber: 3.8" (9.7 cm) installation, 2.8" (7.1 cm) operating;
    8-Fiber: 4" (10.2 cm) installation, 2.9" (7.4 cm) operating;
    12-Fiber: 4.6" (11.7 cm) installation, 8.8" (22.4 cm) operating;
    24-Fiber: 8" (20.3 cm) installation, 6" (15.2 cm) operating;
    36-Fiber: 10" (25.4 cm) installation, 7.5" (19.1 cm) operating
Buffer Diameter — 900 µm
Fiber Type — Multimode, 50/125 µm
Pulling Strength — 2-Fiber: 800 Newtons/180 lb.;
    4- and 6-Fiber: 1000 Newtons/225 lb.;
    8-Fiber: 1400 Newtons/315 lb.;
    12-Fiber: 1800 Newtons/405 lb.;
    24-Fiber: 2700 Newtons/600 lb.;
    36-Fiber: 4000 Newtons/900 lb.
Standards — PVC: UL® 1666, CSA FT4; Plenum: UL 910, CSA FT6;
    All: IEEE 802.3 for 1000BASE-SX/LX, 100BASE-F, 10BASE-F, ATM 155,
    ATM 622, ATM 1.2/2.4 Gbps, Fibre Channel FC-PH, IEEE 802.5, FDDI,
    ICEA 83-596, EIA/TIA-568-B
Tension (Operating) — 2-Fiber: 250 Newtons/56 lb.;
    4- and 6-Fiber: 400 Newtons/91 lb.;
    8-Fiber: 463 Newtons/104 lb.;
    12-Fiber: 600 Newtons/135 lb.;
    24-Fiber: 1110 Newtons/250 lb.;
    36-Fiber: 2000 Newtons/450 lb.
Vertical Rise — PVC: 2-Fiber: 2987 ft. (910.4 m);
    4-Fiber: 3832 ft. (1168 m);
    6-Fiber: 3467 ft. (1056.7 m);
    8-Fiber: 3617 ft. (1102.5 m);
    12-Fiber: 3600 ft. (1097.3 m);
    24-Fiber: 2227 ft. (678.8 m);
    36-Fiber: 2515 ft. (766.6 m);
    Plenum: 4-Fiber: 5200 ft. (1585 m);
    6-Fiber: 4853 ft. (1479.2 m);
    8-Fiber: 4622 ft. (1408.8 m);
    12-Fiber: 4909 ft. (1496.3 m);
    24-Fiber: 3006 ft. (916.2 m);
    36-Fiber: 3133 ft. (954.9 m)
Temperature — Operating: -4 to +176°F (-20 to +80°C);
    Storage: -40 to +176°F (-40 to +80°C);
    Installation: 32 to 122°F (0 to 50°C)
Cable Size — PVC: 2-Fiber: 0.187" (4.75 mm);
    4-Fiber: 0.22" (5.59 mm);
    6-Fiber: 0.235" (5.97 mm);
    8-Fiber: 0.245" (6.22 mm);
    12-Fiber: 0.275" (6.99 mm);
    24-Radius: 0.516" (13.11 mm);
    36-Fiber: 0.623" (15.82 mm);
    Plenum: 4-Fiber: 0.17" (4.32 mm);
    6-Fiber: 0.185" (4.7 mm);
    8-Fiber: 0.195" (4.95 mm);
    12-Fiber: 0.23" (5.84 mm);
    24-Fiber: 0.4" (10.16 mm);
    36-Fiber: 0.502" (12.75 mm)

Item	Code
Multimode, 50-Micron, Distribution-Style Bulk Fiber Optic Cable	
PVC, Riser (OFNR/FT4)	
2-Fiber Custom Lengths	**EXN25002A**
4-Fiber Custom Lengths	**EXN25004A**
6-Fiber Custom Lengths	**EXN25006A**
8-Fiber Custom Lengths	**EXN25008A**
12-Fiber 500-ft. (152.4-m)	**EXN25012A-0500**
Custom Lengths	**EXN25012A**
24-Fiber 500-ft. (152.4-m)	**EXN25024A-0500**
Custom Lengths	**EXN25024A**
36-Fiber Custom Lengths	**EXN25036A**
Plenum (OFNP/FT6)	
4-Fiber Custom Lengths	**EXP25004A**
6-Fiber Custom Lengths	**EXP25006A**
8-Fiber Custom Lengths	**EXP25008A**
12-Fiber 500-ft. (152.4-m)	**EXP25012A-0500**
Custom Lengths	**EXP25012A**
24-Fiber Custom Lengths	**EXP25024A**
36-Fiber Custom Lengths	**EXP25036A**

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- **You wait more than 30 minutes to get through to a vendor's tech support.**
- **The so-called "tech" can't help you or gives you the wrong answer.**
- **You don't have a purchase order number and the tech refuses to help you.**
- **It's 9 p. m. and you need help, but your vendor's tech support line is closed.**

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.